

INTERNATIONAL SEARCH REPORT

International application No.
PCT/AU2004/001544

A. CLASSIFICATION OF SUBJECT MATTER Int. Cl. ⁷ : E01F 13/12, 13/04, According to International Patent Classification (IPC) or to both national classification and IPC		
B. FIELDS SEARCHED Minimum documentation searched (classification system followed by classification symbols) Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched Electronic data base consulted during the international search (name of data base and, where practicable, search terms used) Derwent Dwpi - E01F 13/-s, E06B 11/04, 11/06 + keywords - arrest, absorb, halt, slow, braking, decelerat+, slide, gate, barrier & the like. Also - keywords alone. US Class - 404/6		
C. DOCUMENTS CONSIDERED TO BE RELEVANT		
Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A,Y	US 4822207 A (SWAHLAN) 18 April 1989. All document.	1-4, 18
A	WO 1990/005809 A (UOTILA) 31 May 1990. All document.	
A	WO 1997/015729 A (The ENTWISTLE Company) 1 May 1997. All document.	
A	US 2002/0109131 A (SMITH et al) 15 August 2002. All document.	
A	US 2675197 A (HOSPERS) 13 April 1954. All document.	
<input type="checkbox"/> Further documents are listed in the continuation of Box C <input checked="" type="checkbox"/> See patent family annex		
* Special categories of cited documents: "A" document defining the general state of the art which is not considered to be of particular relevance "E" earlier application or patent but published on or after the international filing date "L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified) "O" document referring to an oral disclosure, use, exhibition or other means "P" document published prior to the international filing date but later than the priority date claimed	"T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention "X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone "Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art "&" document member of the same patent family	
Date of the actual completion of the international search 8 December 2004		Date of mailing of the international search report 14 DEC 2004
Name and mailing address of the ISA/AU AUSTRALIAN PATENT OFFICE PO BOX 200, WODEN ACT 2606, AUSTRALIA E-mail address: pct@ipaaustralia.gov.au Facsimile No. (02) 6285 3929		Authorized officer DAVID LEE Telephone No : (02) 6283 2107

INTERNATIONAL SEARCH REPORT

Information on patent family members

International application No.

PCT/AU2004/001544

This Annex lists the known "A" publication level patent family members relating to the patent documents cited in the above-mentioned international search report. The Australian Patent Office is in no way liable for these particulars which are merely given for the purpose of information.

Patent Document Cited in Search Report		Patent Family Member			
US	4822207				
WO	9005809	AU	46209/89	BR	8907788
		FI	892100	FI	892560
				US	5310277
WO	9715729	AU	69557/96	CA	2235612
		US	5624203	US	5634738
				US	5823705
US	2002109131	WO	02064890		
US	2675197				
Due to data integration issues this family listing may not include 10 digit Australian applications filed since May 2001.					
END OF ANNEX					